Patent Claims

1. Use of a ligand for fibrinogen and/or fibrin for producing an agent for the treatment and/or prophylaxis of microcirculatory disorders and/or for influencing the rheology of a mammal.

2. Use according to claim 1, characterized in that the ligand is a peptide, preferably having 3 to 10 amino acids.

3. Use according to claim 2, characterized in that the peptide contains the following amino acid sequence:

Gly-Pro-Arg-Pro-x

wherein x may be any desired amino acid or a spacer.

4. Use according to claim 3, characterized in that the peptide has the following amino acid sequence:

Gly-Pro-Arg-Pro-Lys.

5. Use according to claim 1, characterized in that the ligand is an antibody.

6. Use according to any one of claims 1 to 5, characterized in that the mammal is a human being.

7. Use according to any one of claims 1 to 6, characterized in that the ligand is selected from polyclonal and monoclonal anti-fibrinogen antibodies and anti-fibrin antibodies.

8. Use according to any one of claims 1 to 7, characterized in that the ligand in the agent is bound to a solid matrix.

9. Use according to claim 8, characterized in that the matrix is selected from glass, carbohydrates, polymethacrylates and polyamides.

10. Use according to claim 9, characterized in that the matrix is Sepharose.

11. Use according to any one of claims 8 to 10, characterized in that the matrix consists of beads, fibers and/or a membrane.

12. Use according to any one or several of the aforementioned claims, characterized in that the microcirculatory disorder appears in connection with diabetes, retinopathy, polyneuropathy, apoplexy, sudden deafness, sepsis, arterial occlusive diseases and/or impaired kidney function.

13. Adsorber column containing a matrix and a ligand, wherein said ligand has a specifity for fibrin and/or fibrinogen.

14. Adsorber column according to claim 13, wherein the ligand is the peptide as indicated in any one of claims 3 or 4.

15. Adsorber column according to claim 13 or 14, wherein the matrix is Sepharose.

16. Method for influencing the microcirculation of a mammal, wherein blood of the mammal is passed in vitro over the column according to claim 13, 14 or 15.

17. Method according to claim 16, characterized in that it is carried out as an apheresis method for plasma or whole blood.

18. Pharmaceutical composition containing a ligand for fibrinogen and/or fibrin.